



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet


Product Description: SAW Filter 873 MHz SMD 2.5X2.0 mm

TST Part No.: TA1066A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 8, 11, 2009

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 873 MHz

MODEL NO.: TA1066A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

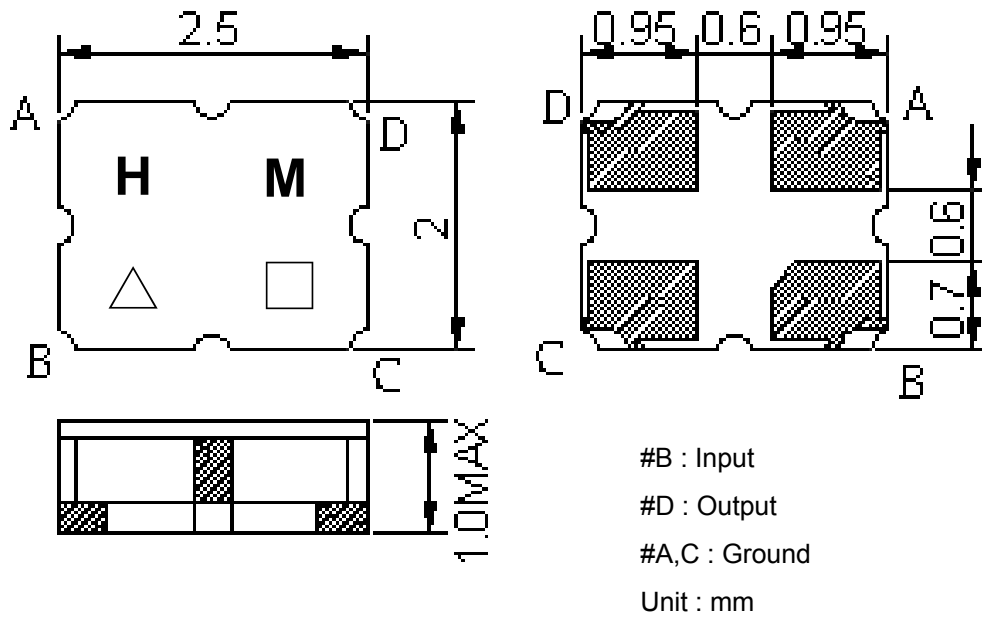
RoHS Compliant Lead free Lead-free soldering
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B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency F_c (MHz)	-	873	-
Min. Insertion loss IL (dB)	-	1.75	2.2
Amplitude ripple (870 ~ 876 MHz) (dB)	-	0.2	1
Attenuation (Reference level from 0 dB)			
D.C ~ 823 MHz (dB)	30	50	-
923 ~ 1600 MHz (dB)	30	45	-
1600 ~ 2000 MHz (dB)	25	45	-
2000 ~ 3000 MHz (dB)	15	30	-
Return Loss (870 ~876 MHz) (dB)	10	13	-
Source impedance Z_s (Ω)	-	50	-
Load impedance Z_L (Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

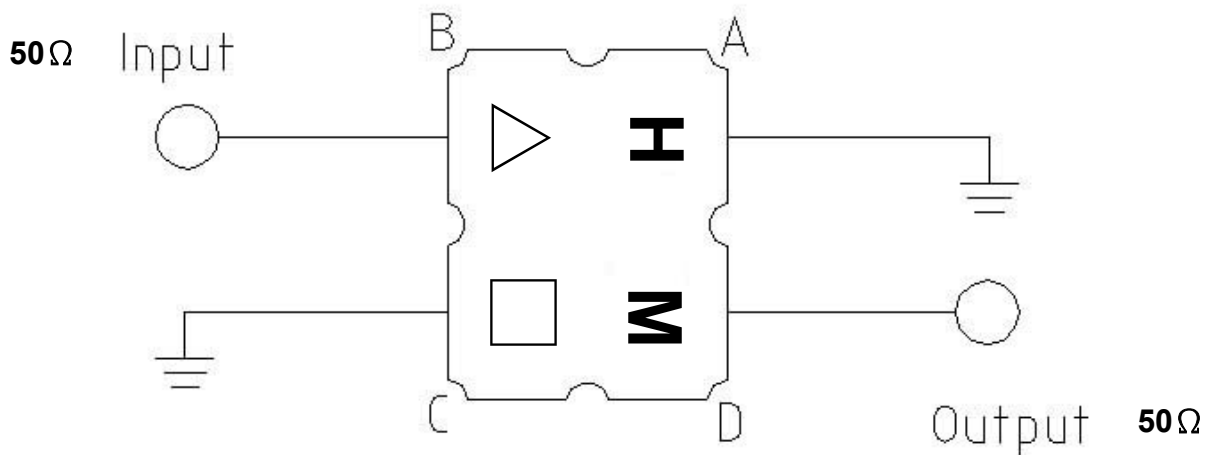
C.OUTLINE DRAWING:



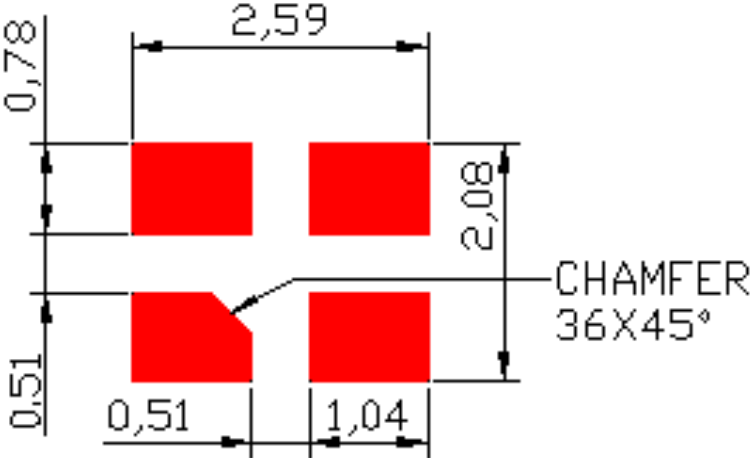
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

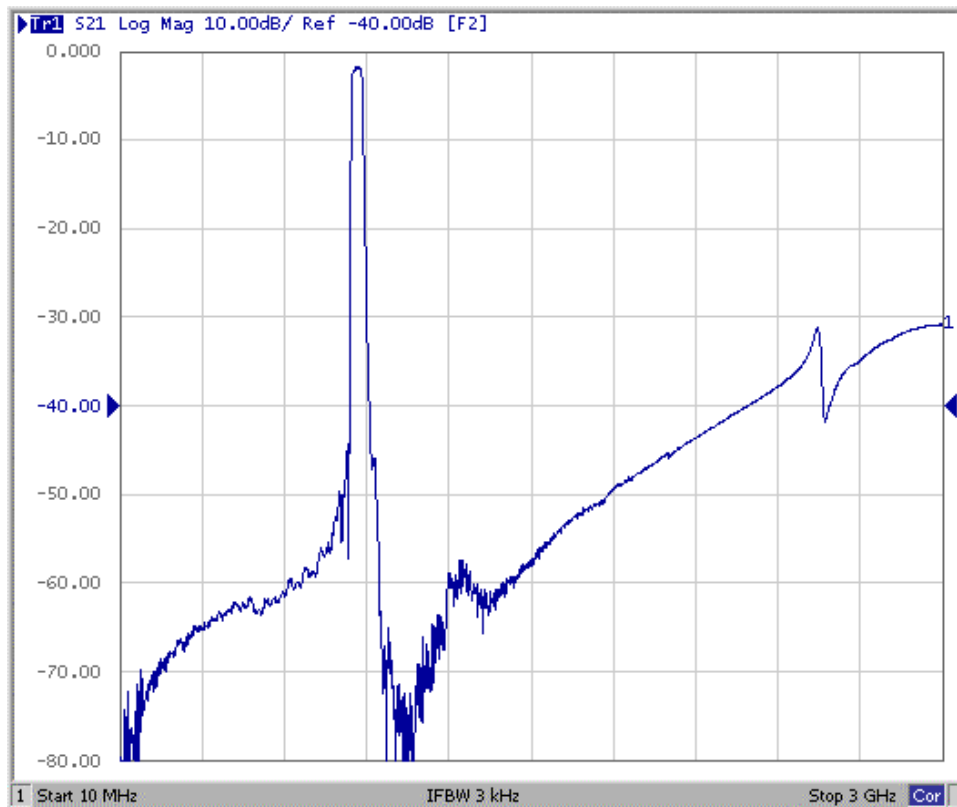
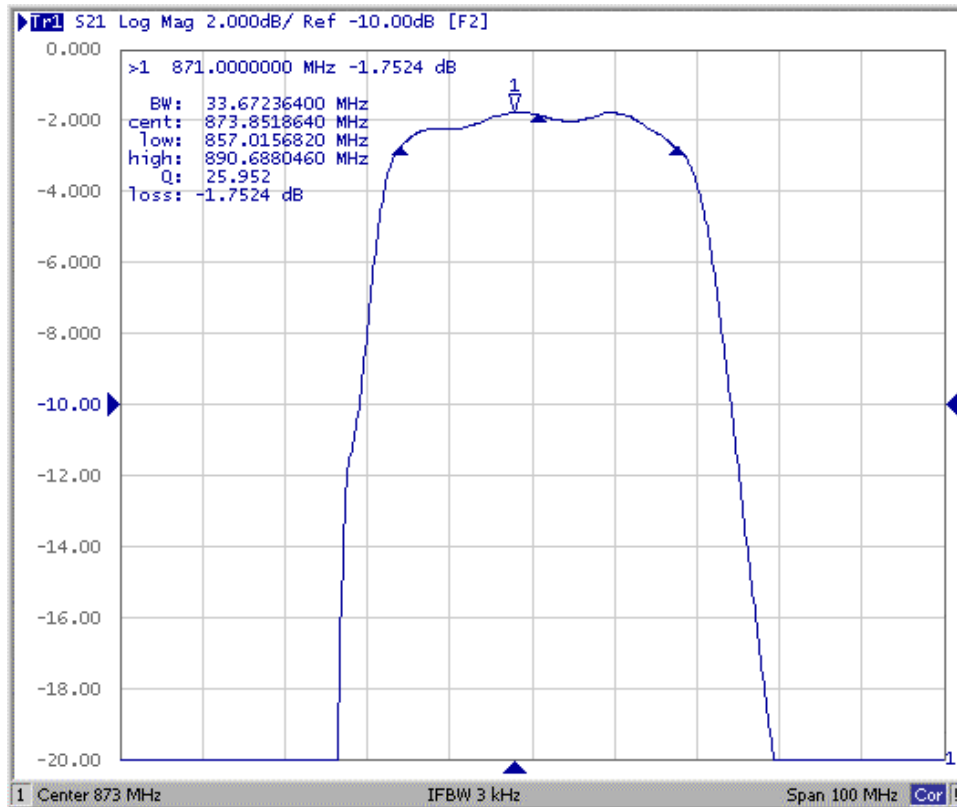
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

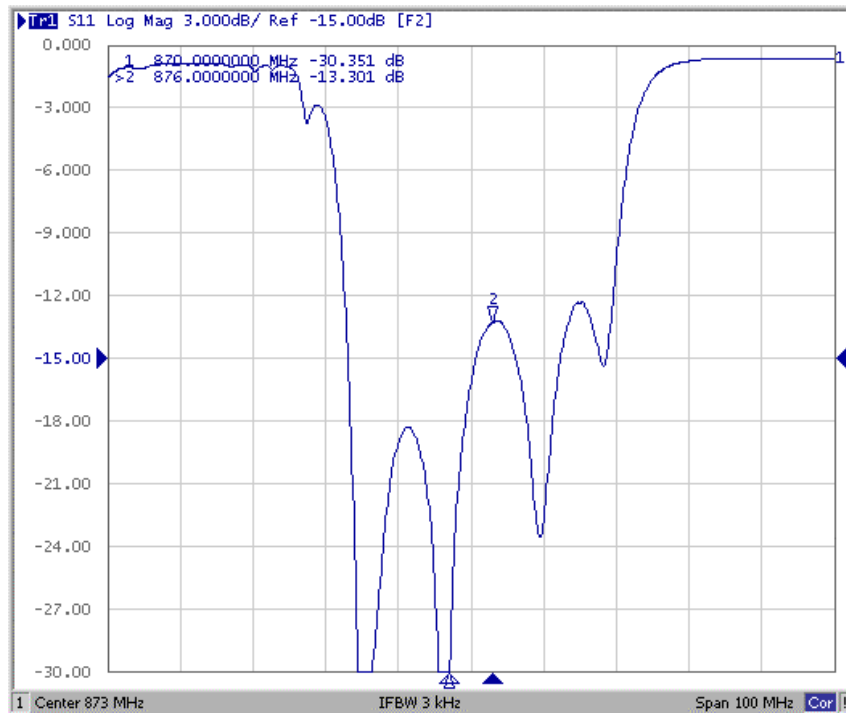


F. Frequency Characteristics : Transfer function

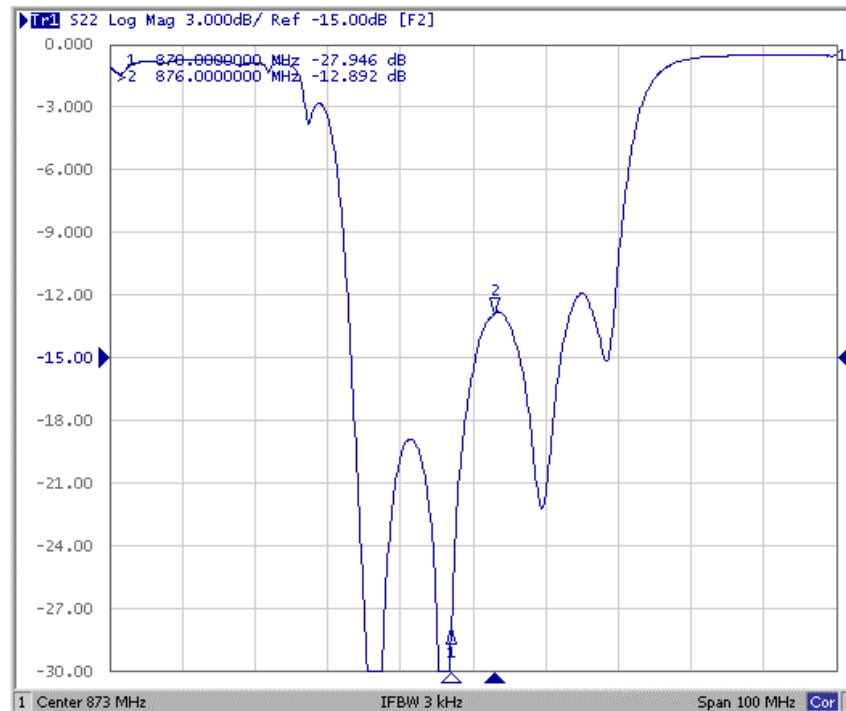


Reflections Functions :

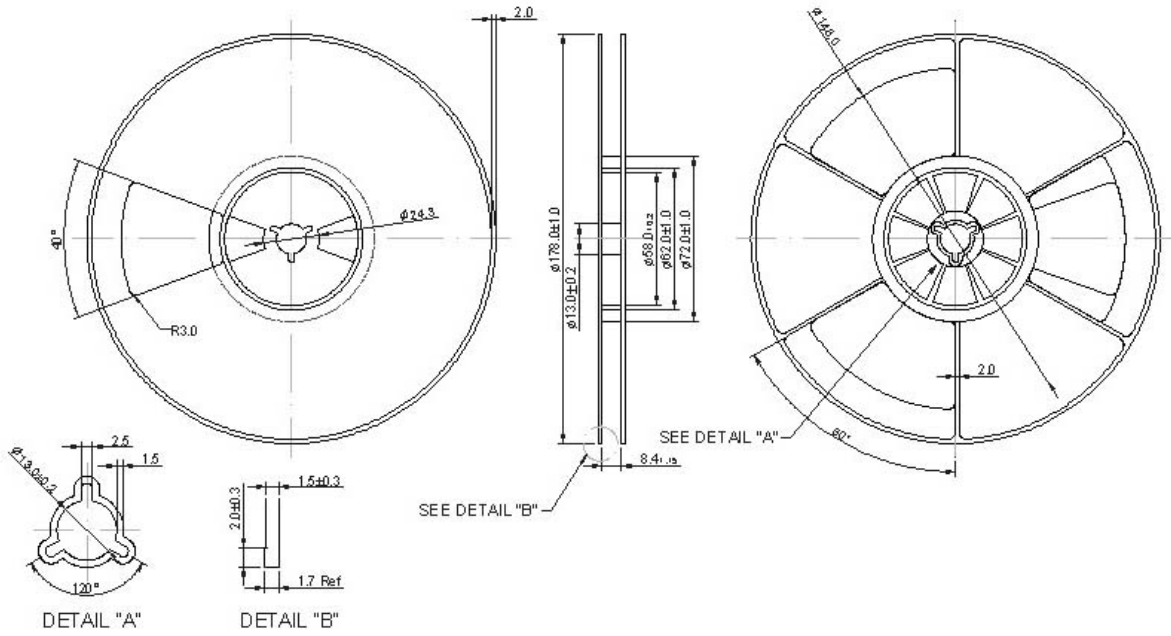
S11 Return Loss



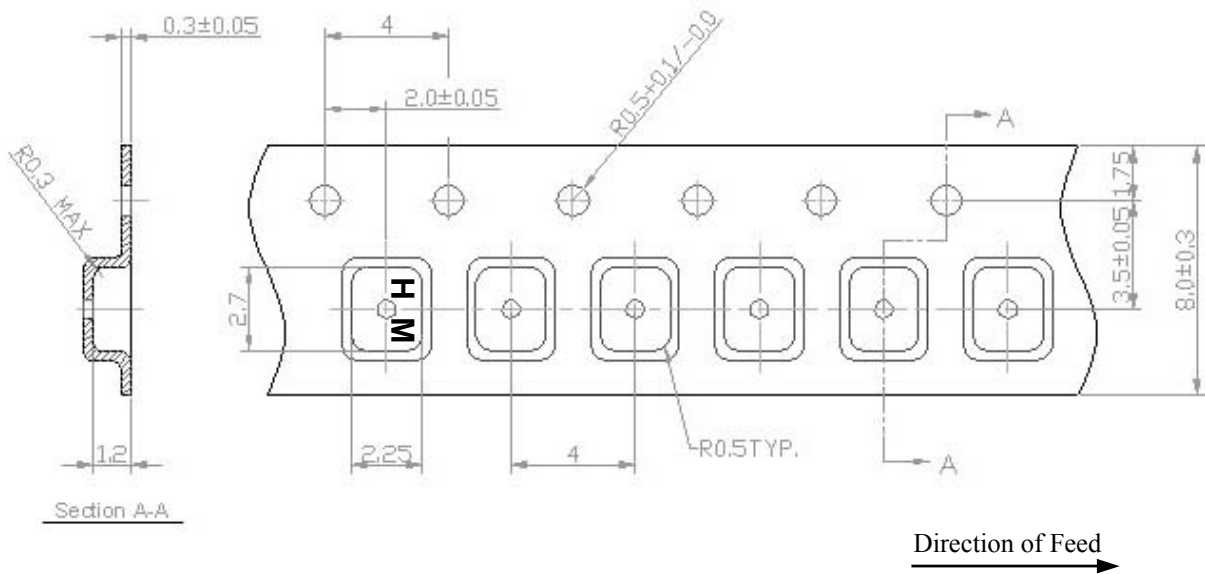
S22 Return Loss



G. PACKING:
1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

